

EFFICIENT BLENDING BASED ON BLENDING COMPONENT AVAILABILITY FOR A PARTIAL BLEND DURATION

Abstract

Attorney Client Privileged Communication Communication Honeywell Proprietary Draft: March 25, 2004 (5:12PM)Page of 21 An aspect of the present invention takes advantage of the information of expected time of availability of an unavailable component to meet a desired criteria (e.g., minimize the aggregate cost of components). An intermediate product properties combination, which can be attained from an initial heel volume by mixing the available components, may be determined. The combination further permits the target product properties also to be attained from the intermediate product properties combination, while meeting various constraints and desired criteria. The flow controls of the individual components are accordingly controlled to blend the components and produce the desired product. Such features may be useful in environments such as oil refineries.